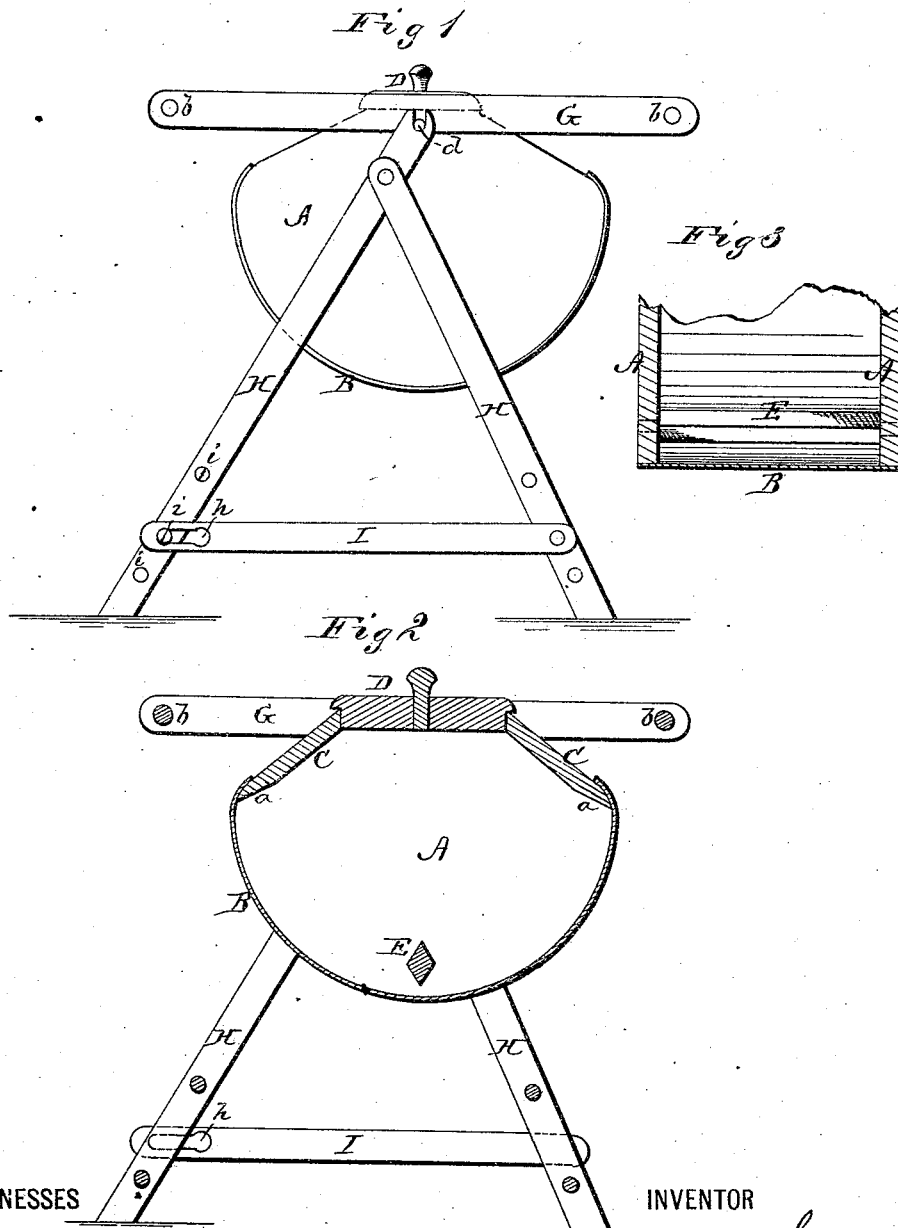


D. W. GEORGE & J. J. STUTZMAN.

Churn.

No. 160,418.

Patented March 2, 1875.



WITNESSES

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UNITED STATES PATENT OFFICE.

DAVID W. GEORGE AND JOHN J. STUTZMAN, OF PULASKI, IOWA.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **160,418**, dated March 2, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that we, DAVID W. GEORGE and JOHN J. STUTZMAN, of Pulaski, in the county of Davis and in the State of Iowa, have invented certain new and useful Improvements in Churns; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a swinging churn, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of our swinging churn. Fig. 2 is a vertical section of the same, and Fig. 3 is a section through the center of the bottom of the churn.

The churn proper consists of two heads, A A, made in true circular form to above the center, as shown, and to the edges of these heads the bottom B is secured. Above the ends of the circular bottom B are fastened the inclined end boards C C, and between these the lid D is inserted to close the top of the churn. The end boards C C are sloped on the inside lower edges, as shown at *a*. A short distance above the center of the bottom B a milk-brake, E, is secured in the heads or side pieces A A. This brake is made in oval diamond shape, and set as shown in Fig. 2, so as

to break the milk thoroughly as the milk reacts from the swinging or rocking motion of the churn. Along the upper edges of the heads or side pieces A A are secured the arms or handles G G, the ends of which are connected by rounds *b b*. From the center of each of the arms or handles G projects a pin or pivot, *d*, which pivots are inserted in the upper slotted ends of a folding frame, H, constructed as shown. This frame is held in position for work by means of pivoted braces I, the outer ends of which are provided with slots *h*, passed over headed pins *i*.

The frame can be folded up in a small compass when the churn-box is removed therefrom, and the braces can be adjusted at their slotted ends to any one of the headed pins *i i* on the bars H, so that the churn-box upon the top thereof is allowed to be higher or lower, as desired, to accommodate the height of the person operating the churn.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The folding frame H H, having notches *d*, and having headed pins *i i*, to which are connected the slotted braces I I for adjusting the height of the removable churn-box, all constructed substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 28th day of November, 1874.

DAVID W. GEORGE.
JOHN J. STUTZMAN.

Witnesses:

J. W. MILLIGAN,
J. T. MILLIGAN.